Karassn

KS-200KT Series

Passive Detector With Autodial

User's Manual

KARASSN SECURITY PROTECTION ELECTRONICS CO., LTD.

Introduction

KS-200KT Series telephone alarm system adopts 8-bit single chip as a processing core. It can intelligently identify the infrared signals sent by human body. When someone enters into the defense area, the built-in dialer will automatically dial the alarm informed telephone (or pager) number. Therefore, it is suitable for warehouse, banks, museums, archives, families, markets, etc.

Functions Description

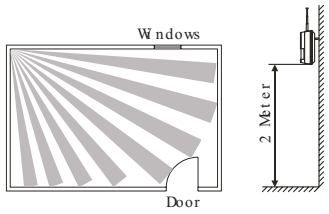
- Low wrong-alarm rate, adopting processing technology of integrating dual infrared sensors and chips for double intellectualized signal, and processing automatic temperature compensation.
- With automatic dialer, the system can dial 5 groups alarm phones (or pagers) and 4 groups urgent phones (or pagers) to ask for help. Compatible with DTMF (Double Tone Multi Frequency) and pulse dialing. With dialing pause function, it can be used for exchange station.

- It adopts to learn coding between detectors, remote manipulators and alarm host.
- 4 digitals pin can be modified.
- With a high-decibel built-in siren, which promptly alarms on the site and guards against theft
- Leaving time (delay defense time) can be set.
- Wireless remote control, which can realize defense activation, defense deactivation and first aid.
- 6 remote controls and 7 detectors at most can be optioned for the system.

Installation Requirements

1.**The infrared detector has the highest** sensitivity when a human body moves parallelly with the mirror surface and the sensitivity is the lowest when a human body moves vertically against the mirror. As a result, the angle and height against the horizontal surface should be noted during installation, which will greatly affect the range of the defense area. The

installation height and angle are shown as the following illustration:



2.Stand off from warm or cold sources, e.g., warm air or cold air outlet, air-conditioning outlet, electric radiators, air cooling machines and etc. Stand off from the windows.

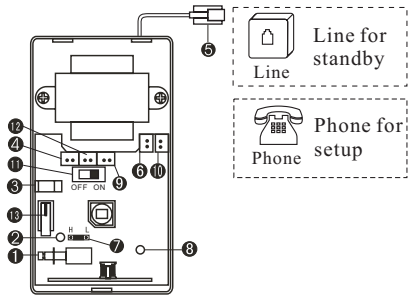
3.There should be no barrier within the defended area of a detector.

Operation

Operation Guide

1.**Component Descriptions**

❶ Program switch: normally, the program switch



is pressed in. it springs out to program

❷ Activation/Deactivation indicator: the indicator will be on when the system is in activation state and it will be off when the system is in deactivation state.

❸ DC input: DC 12V-13.8V as backup power. Polarity ⊖-⊂-⊕

❹ AC input: input AC15V 50Hz or 60Hz

❺ Phone line input

❻ Built-in siren output: 4 levels of alarm sound for option.

❼ Infrared detective sensitivity: It has 3 levels for option. Move the jumper from H position to L, the sensitivity will gradually decrease.

❽ Alarm indicator: while power on, the alarm indicator will flash for a 60 seconds for pre-heat. After that it will be off. While the alarm occurs, the indicator will be on.

❾ Socket for backup battery

❿ Monitor receiver

⓫ Power on/off

⓬ Line in

⓭ Proof-break:It will alarm and dial the urgent phone number or pager when it is open or breaked

2.**The sound of cue**

---- When the system is powered on, there will be a beep, which indicates the system is normal and in the state of defense activation.

---- A long beep at 15-second interval shows the system is in low voltage state .

---- During leaving time, there will be a long beep every one second. The users should

immediately leave the defense area.

3.**Operation of the Remote Control**

Activation: press 🔒 key to activate and there will be a short beep, and the indicator will be on.

Deactivation: press 🔓 key to deactivate and there will be a tow beeps. The indicator will be off.

Urgent alarm: press 🔊 key to enter into urgent alarm state, and the system will automatically dial urgent phones for first aid.

4.**Alarm-Receiving Operation**

Note: this function should only be suitable for DTMF telecom system.

When you receive the alarm phone call you can pick up the handset then hear alarm sound, which will last for 5 to 25 seconds. After the sound you can press as following:

2#, to clean the alarm,

3#, to open the alarm in the locale;

4#, to on-site monitor;

0#, to quit the state of alarm-receiving;

If there is no operation in 5 seconds, the alarm host will automatically hang up the telephone

call, then continue to dial another alarm informing phone number in three loops.

5. **Programming and Operation**

Note:

---- The telephone used to program should be DTMF (Double Tone Multi-Frequency) phone. Please turn the P/T switch to T. And the telephone should not be connected with the local telephone company.

---- The host should be in the state of defense deactivation during setup operation to against triggering alarm signal.

---- Every step has indicative sound

A short beep ----- shows the operation is effective.

A long beep ----- shows the operation is ineffective.

---- When the system enters into the state of alarm setup the telephone is powered by the alarm host, yet the current electricity is limited. If you use the hands-free function to set alarm you may fail or hear no sound. Therefore you'd

better use the handset to set alarm.

Programming Operation:

Please take off the local telephone line and connect it by telephone machine. Press program switch to spring up the jumper. After a long beep, then press **AAAA#**. A beep shows the system has enter into the state of setup. AAAA stands for the user's code, and the original code is 0000.

Note: All the following operations should be done in the setup state, when all operations are finished the program switch should be turned to "OFF".

1.**User's Code Modification**

Press **9#AAAA#BBBB#BBBB#**.

AAAA is for the user's code, the original one is 0000; BBBB is four the new code. After the Code-modification the old code will be invalid. If you want to program again you should enter the new code.

2.**Setup informed phone numbers**

Press **10#CCCCC#** to set the first group of

informed phone or pager number.
Press **11#CCCCC#** to set the second group.
Press **12#CCCCC#** to set the third group.
Press **13#CCCCC#** to set the forth group..
Press **14#CCCCC#** to set the fifth group.
Press **15#CCCCC#** to set the first group of urgent phone or pager number.
Press **16#CCCCC#** to set the second group.
Press **17#CCCCC#** to set the third group.
Press **18#CCCCC#** to set the forth group.
CCCCC stands for the phone, pager or mobile number.
Note:
---- During the course of entering the telephone number (mobile phone, pager), use * as a pause for two seconds. The number of * is subject to the type of telephone exchange, e.g.: mobile phone, group telephone, semi-automatic pager station, etc.
---- Each group of number, including *, should not beyond 16 digits.
---- Add * after phone number (mobile or call

number), means the phone number is adopted by pulse dial model instead of DTMF.
----Every phone number (including *) is 16 digitals at most.
----Have to dial the * before pager number
----It is not necessary to input unwanted phone numbers of nine. It can directly cover with or delete it to re-input, if the users has input wrong information.
--During alarm, the host will dial the phones three times from the first one to the ninth circularly. As for the processed phones, the host will not dial any more.
For example: if you want to set the following groups of telephone number:
1234567 dialed by DTMF
7654321 dialed by pulse
The main engine 1234567, extension 801 by DTMF
The first group of urgent telephone 13900000012 dialed by DTMF
The second group of urgent pager

number1297615325, the code name is 110 dialed by DTMF
You can press as following:
10#1234567#
11#7654321*#
12#1234567**801#
15#13900000012#
16#12876115325*1*110# (Form of an automatic page station, for reference only)
3. **Informed Phone Numbers Deletion**
Press **10## to** delete the first group of phone or pager number.
Press **11##** to delete the second group.
Press **12##** to delete the third group.
Press **13##** to delete the forth group
Press **14##** to delete the fifth group.
Press **15##** to delete the first group of urgent phone or pager number.
Press **16##** to delete the second group.
Press **17##** to delete the third group.
Press **18##** to delete the forth group.
Press **19##** to delete all numbers

4. **Choices of the Volume of Alarm-Sound**
Press **24#**, to choose the minimum of the volume of the alarm sound;
Press **25#**,to choose the moderation of the volume of the alarm sound;
Press **26#**, to choose the high volume of the alarm sound;
Press **27#,** to choose the maximum of the volume of the alarm sound;
5.**Setup of mute alarm**
Press **28#** to shut set mute alarm on the site. It will dial the informed phone numbers if the alarm occurs. The sound of the indications of the remote control operation, the warning of telephone line broken; and of low backup power voltage can be normally heard.
6. **Setup Leaving Time**
Press **35#DD#**, the above DD refers to leave time (delay defense time) 00-99 seconds. It should be two digits. The alarm host will give out a short beep every one second and the users have to leave during the leaving time.

7.**The default from factory**
User code: 0000
Informed phone number: no
Alarm sound switch: open
Volume of alarm: Maximum Leaving time:00

Coding Operation

It can be learned by 6 remote controls and 7 detectors (including door sensor and smog sensor) at most.
Please take off the local telephone line and connect the line of telephone machine. Press program switch to spring out the jumper. There will be a indicative beep. And hold on the receiver to press **12*48#** and there will be a indicative beep again. Then enter into following:
----Press **10#** to learn the coding of the first remote control.
----Press **11#** to learn the coding of the second one.
----Press **12#** to learn the coding of the third one.
----Press **13#** to learn the coding of the forth one.

----Press **14#** to learn the coding of the fifth one.
----Press **15#** to learn the coding of the sixth one.
----Press **10##** to delete the coding of the first remote control.
----Press **11##** to delete the coding of the second one.
----Press **12##** to delete the coding of the third one.
----Press **13##** to delete the coding of the forth one.
----Press **14##** to delete the coding of the fifth one.
----Press **15##** to delete the coding of the sixth one.

----Press **20#** to learn the coding of the first detector. There is a emission after a sound indication.
----Press **21#** to learn the coding of the second detector. There is a emission after a sound indication.
----Press **22#** to learn the coding of the third

detector. There is a emission after a sound indication.
----Press **23#** to learn the coding of the forth detector. There is a emission after a sound indication.
----Press **24#** to learn the coding of the fifth detector. There is a emission after a sound indication
----Press **25#** to learn the coding of the sixth detector. There is a emission after a sound indication.
----Press **26#** to learn the coding of the seventh detector. There is a emission after a sound indication.

----Press **20##** to delete the coding of the first detector.
----Press **21##** to delete the coding of the second detector.
----Press **22##** to delete the coding of the third detector.
----Press **23##** to delete coding of the forth

detector.
----Press **24##** to delete coding of the fifth detector.
-------Press **25##** to delete coding of the sixth detector.
----Press **26##** to delete coding of the seven detector.

----After the remote control or detector emitting, there will be a beep. Means the coding match have been successful e.g.: If the users want to learn a coding of detector. And learn a coding of door sensor. Please well connect system and power on. Hold on the receiver to press **12*48#**. There will be a beep. Press **20#** and there will be a beep. Touch the detector to make a emission. If there is a beep, the coding match will be successful. Continue to press **21#** and there is beep. Touch the door sensor to make an emission. If there is a beep, the coding match will be successful. Press reset switch to exit setup.
Note:

----Every defense area can learn one coding of detector at. And every defense area has different coding. Or it will take mistake.
----After the coding match, it is recommended to have a check.

Technical specifications.

Voltage: AC220V 50Hz/60Hz
Detective pre-heat: 60 seconds
Phone number: 9 groups
Detective Distance: 6-12m, Detective angle: 120°X35°
Alarm Loudness: 100dB
Remote distance: 100m in Champaign
Wireless Receiving Frequency: 315 MHz

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